

MIRONOV, N.P., prof.; KARPUZIDI, K.S.; KLIMENKO, I.Z.; KOLESNIKOV, I.M.; LISITSYN, A.A.; NEL'ZINA, Ye.N.; SHIRANOVICH, P.I.; SHIKHAYEV, D.T.; YAKOVLEV, M.G.; NIKOLAYEV, I.M., red.

[Sources and carriers of plague and tularemia] Istochniki i perenoschiki chumy i tularemii. Moskva, Meditsina, 1965.
194 p. (MIRA 18:4)

1. Rostovskiy-na-Donu nauchno-issledovatel'skiy protivochumnyy institut (for all except Nikolayev).

YAKOVLEV, M. I.

Forest Nurseries

Use of corn to protect fields and young stands of trees, Les i step'
No. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952.
Unclassified.

YAKOVLEV, M.I.

Production costs are considerably reduced. Stek, i ker. 18
no. 9:42-43 S '61. (MIRA 14:10)
(Kharkov--Ceramic industries--Costs)

YAKOVLEV, M.I., kapitan dal'nego plavaniya

Prolonging the navigation season of the Archangel harbor.
Biul. tekhn.-ekon. inform. Tekh. upr. Min. mor. flota 7 no.4:
49-55 '62. (MIRA 16:4)

(Archangel—Harbor)
(Navigation—Cold weather conditions)

BAUMAN, Nikolay Yakovlevich, inzh.; SVECHKOV, Izrail' Naumovich; YAKOVLEV,
Mikhail Ivanovich; POLUYANOV, V.T., retsenzent; DUGINA, N.A.,
tekhn.red.

[Technological processes in the manufacture of turbines] Tekhno-
logiya turbostroenija. Izd.2., perer. i dop. Pod red. N.IA.
Baumana. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry,
1960. 551 p. (MIRA 13:9)
(Turbines--Design and construction)

YAKOVLEV, M. K.

Scientific works by students. Nauka i pered.op.v sel'khoz. 7
no.6:48-49 Je '57. (MIRA 10:?)
(Agricultural research)

L 6979-55 ENT(d)/T/EWA(m)-2/EWP(1) IJP(c)

ACC NR: AP5028764

SOURCE CODE: UR/0376/65/001/011/1488/1492

44,55

AUTHOR: Yakovlev, M. K.

H7

B

ORG: Novosibirsk Pedagogical Institute (Novosibirskiy pedagogicheskiy institut)

16,44,55

TITLE: A method for constructing the Lyapunov function for linear systems with variable coefficients

SOURCE: Differential'nyye uravneniya, v. 1, no. 11, 1965, 1488-1492

TOPIC TAGS: stability theory, Lyapunov stability, asymptotic stability, linear system stability 16, 44, 55

ABSTRACT: A study is made of the stability of the linear system

$$\frac{dx_i}{dt} = p_{ii}(t)x_1 + p_{i2}(t)x_2 + \dots + p_{in}(t)x_n \quad (1)$$

(i = 1, 2, \dots, n),

where $p_{ij}(t)$ ($i, j = 1, 2, \dots, n$) are continuous bounded functions and the coefficients $p_{ii}(t)$ ($i = 1, 2, \dots, n$) satisfy the conditions

$$F_i(t) = 2 \int p_{ii}(t) dt = F_{ii}(t) + F_{ii}(t), \quad (2)$$

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ACC NR: AP5028764

where F_{2i} is a bounded function and F'_{1i} is a bounded and negative function. An algorithm for constructing the Lyapunov function which satisfies the fundamental Lyapunov theorems concerning the asymptotic stability and instability of systems is presented. The Lyapunov function is sought in the form

$$V(t, x) = \sum_{i=1}^n b_i e^{-F_{1i}(t)} x_i^2 \quad (3)$$

where b_i is an arbitrary positive constant. The necessary and sufficient conditions for the existence of the Lyapunov function of form (3) which satisfies the Lyapunov theorems on asymptotic stability and instability are derived. In the case of $n = 2$, these conditions are expressed in terms of coefficients of system (1). When the coefficients of the system satisfy these conditions, $F'_{1i} < 0$ ensures the asymptotic stability and $F'_{1i} > 0$ ($i = 1, 2$) the instability of the trivial solution $x_1 = 0$.
Orig. art. has: 19 formulas. [LK]

SUB CODE: MA, ME SUBM DATE: 09Dec64/ ORIG REF: 003/ ATD PRESS: 4143

Card 2/2 rds

YAKOVLEV, M.M.

Fat metabolism in prolonged physical work. J. Physiol., USSR, '52, 38,
332-336.
(MLRA 5:6)
(BA - A III Ja '53:72)

YAKOVLYEV, M.M.

Effect of the sugar content and of bromides on regeneration of the carbohydrate reserve in the organism after prolonged physical activity. Ukr. biokhim. zhur. 25 no.2:206-218 '53. (MLRA 6:6)

1. Otdelenie obmena veshchestv Leningradskogo nauchno-issledovatel'skogo instituta fizicheskoy kul'tury. (Carbohydrates in the body) (Bromides)

YAKOVLEV, M.M., professor [reviewer]; FERDMAN, D.L. [author].

"Biochemistry of muscle diseases." D.L.Ferdman. Reviewed by M.M.Iakovlev.
Ukr.biokhim.zhur. 25 no.4:462-465 '53. (MLRA 6:11)
(Muscle) (Ferdman, D.L.)

YAKOVLEV, M. N., Cand Tech Sci (diss) -- "Investigation of food boilers of mass-feeding enterprises". Moscow, 1960. 18 pp (Moscow Order of Labor Red Banner Inst of National Economy im G. V. Plekhanov), 200 copies (KL, No 14, 1960, 134)

YASKOVA, G.N.; YAKOVLEV, M.N.

Some conditions for the stability of Petrov-Galerkin's method.
Trudy Mat.inst. 66:182-189 '62. (MIRA 15:11)
(Operators (Mathematics)) (Matrices)

YAKOVLEV, M.N.; YAKIMOV, L.K., prof., red.; SERGEYEVA, A.S.,
tekhn. red.

[Laboratory work in electrical engineering] Laboratornye
raboty po elektrotekhnike; uchebnoe posobie dlia studentov
tekhnologicheskogo i tovarovednogo fakul'tetov. Moskva,
In-t nar. khoz. 1963. 108 p. (MIRA 16:10)
(Electric engineering—Laboratory manuals)

ACCESSION NR: AP4038517

S/0020/64/156/003/0522/0524

AUTHOR: Yakovlev, M. N.

TITLE: On the solution of non-linear equations by iteration methods

SOURCE: AN SSSR. Doklady*, v. 156, no. 3, 1964, 522-524

TOPIC TAGS: functional analysis, Hilbert space, approximation method

ABSTRACT: Let f be twice differentiable function on a Hilbert space H and let F be the gradient of f , i.e. for each $x \in H$, $F(x)$ is the operator defined by

$$\lim_{t \rightarrow 0} \frac{f(x + th) - f(x)}{t} = (F(x), h)$$

for all $h \in H$. Several results are stated, without proof, concerning the solution of the equation $F(x) = 0$ by iteration methods.Theorem 1. Let $x_0 \in H$, $r > 0$, $m > 0$, $M > 0$ be such that

$$\begin{aligned} & (F'(x_0)h, h) \geq m(h, h), \quad m > 0 \text{ for } h \in H \text{ and } x \in S(x_0, r); \\ & \|F(x_0)\|/m; \\ & (F'(x_0)h, h) \leq M(h, h) \text{ for } h \in H \text{ and } x \in S(x_0, \|F(x_0)\|/m). \end{aligned}$$

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Then the sphere $S(x_0, \frac{\|F(x_0)\|}{m})$ contains a unique solution x^* of equation (1), and x^* is the limit of the iteration process (starting with x_0):

$$x_{n+1} = x_n - \frac{2}{M+m} F(x_n) \quad (n = 0, 1, 2, \dots).$$

Moreover

$$\|x_n - x^*\| \leq \left(\frac{M-m}{M+m}\right)^n \|x_0 - x^*\|.$$

x^* is the unique solution of equation (1) in the sphere $S(x_0, r)$ and is also the unique minimum point of function f in that sphere.
Final result:

Suppose

$$(F'(x) h, h) \geq m(h, h), \quad m > 0, x, h \in H;$$

and let α_n be the unique minimum point of the function

$$\psi(\alpha) = f(x_n - \alpha [F'(x_n)]^{-1} F(x_n))$$

Then the iteration process

$$x_{n+1} = x_n - \alpha_n [F'(x_n)]^{-1} F(x_n) \quad (n = 0, 1, 2, \dots),$$

converges to x^* faster than a geometric progression. The author

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remarks that the results do not necessarily apply to an equation $\Phi(x) = 0$, for any operator Φ on H . The proofs strongly use the assumption that F is the gradient of a function (hence in particular, $F'(x)$ is a symmetric operator). Orig. art. has: 10 equations.

ASSOCIATION: None

SUBMITTED: 17Jan64

SUB CODE:

NR REF SOV: 001

ENCL: 00

OTHER: 000

3/3

Card

YAKOVLEV, M.N. (Leningrad)

Solution of a system of nonlinear equations by the method of
parametric differentiation. Zhur. vych. mat. i mat.fiz. 4 no.1:
146-149 Ja-F '64. (MIRA 17:6)

YAKOVLEV, M.N.

Solution of nonlinear equations by the iteration method. Sib.
mat. zhur. 5 no.6:1428-1430 N-D '64. (MIRA 17:12)

YAKOVLEV, M.N.

Estimates of the H-numbers of conditionality of matrices in the
Petrov-Galerkin method. Dokl. AN SSSR 163 no.2, 309-310 Jl '65.
(MIRA 18:7)
1. Leningradskoye otdeleniye Matematicheskogo instituta im. V.A.
Staklova AN SSSR. Submitted January 11, 1965.

YAKOVLEV, M.N.

Some methods for solving nonlinear equations. Trudy Mat. inst.
84:8-40 '65. (MIRA 18:9)

YAKOVLEV, M.P.

Experimental work in fruit culture in Georgia. Izv.AN Arm.SSR.
Biol.i sel'khoz.nauki. 5 no.5:97-102 '52. (MLRA 9:8)

1. Uchenyy sekretar' opytnoy stantsii plodovodstva Akademii nauk
Gruzinskoy SSR, s. Skra, Goriyskiy rayon, Gruzinskoy SSR.
(GEORGIA--FRUIT CULTURE)

YAKOVLEV, M.S.

Designing icebreaker hull shapes for river navigation lines.
Trudy GPI 14 no.1:38-44 '58. (MIRA 13:2)
(Ice-breaking vessels)
(Hulls (Naval architecture))

BIRMAN, A.M., doktor ekonom.nauk; BRAZOVSKAYA, T.I.; BELOUSOVICH, S.N.;
VESELKOV, F.S.; KATSENELENBAUM, Z.S.; IVLIYEV, I.V.; SEMENOV, I.Ya.;
YAKOVLEV, M.S.; LAYKHTMAN, R.I.; GOFMAN, G.A.; SHUMOV, N.S.;
VINOGRADOV, R.D., dotsent; TATSIY, G.M., red.; KONDRAT'YEVA, A., red.;
TELEGINA, T., tekhn.red.

[Finances of enterprises and branches of the national economy]
Finansy predpriatii i otriaslei narodnogo khoziaistva. Avtorskii
kollektiv pod rukovodstvom A.M.Birmana. Moskva, Gosfinizdat, 1960.
576 p. (MIRA 14:3)

1. Moskovskiy finansovyy institut (for Vinokur).
(Finance)

YAKOVLEV, M. S.

"Characteristic features of the embryogenesis of higher plants."

report submitted for 10th Intl Botanical Cong, Edinburgh, 3-12 Aug 64.

Komarov Botanical Inst, AS USSR, Leningrad.

YAKOVLEV, M. S.

Anatomical Lab, All-Union Inst of Plant Ind

"Functional Significance of Epiblast in Wheat Embryo"

SOURCE: Dok AN, 22, No 9, 1939

YAKOVLEV, M. S.

Lab of Plant Anatomy, All-Union Inst of Plant Industry

"Condition of Starch in Potato at Different Stages of Tuber Ripening"

SOURCE: Dok AN, 23, No 5, 1939

YAKOVLEV, M. S.

Leningrad Agri Inst

"Coleoptile Structural Peculiarities Useful to Wheats and Barleys while they are making their Way through Crusted Soil"

SOURCE: Dok AN, 26, No 6, 1940

CA YAKOVLEV, M.S.

HD

The specific character of the activity of the plastids in plants. V. G. Aleksandrov, M. S. Yakovlev, and L. V. Klimochkina (Komarov Inst., Acad. Sci., Leningrad). *Bulet. Zhur.* 32, 135-61 (1917); *Chem. Zentr.* 1948, I, 71. —A study is reported of the starch-forming and protein-forming activity of the plastids and of the question of the origin of plastids and of starch. Meteorological and climatic factors regulate the polymerization of carbohydrates to starch and the hydrolysis of the starch. Protoplasts and amyloplasts arise with the same morphological characteristics and it is the condition of the cell contents which决定了 whether they store starch or protein. A no. of cases are cited in which starch is formed outside the plastids. The green plastids both store starch and dissolve it. According to the authors, the chloroplasts are not photosynthetically active but transport the necessary nutrients. The protein and amylo conversions of the cell substance are nonreversible reactions. At the death of the cell a great deal of very fine-grained starch arises directly from the protoplasm without any activity on the part of the plastids. M. G. Moore

YAKOVLEV, M. S.

"Russian Morphologists of the First Half of the 19th Century"

SO: Priroda, No 10, 1948

YAKOVLEV, M.S.

22544

Yakovlev, M.S. Itogi Deyatel'nosti Laboratorii Anatomii Rastenii

Sbornik Trudov Pushkinsk Laboratorii Vsesoyuz In-ta Rastenievodstva

L 1949 S 37-43

SO: Letopis No.30, 1949

YAKOVLEV, M. S.

Botany - embryology

Oneness of embryogenesis in the angiospermous and
gymnospermous plants. Trudy Bot. inst.

AN SSSR./No. 2, 1951

Ser. 7.

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

YAKOVLEV, M. S.

Botany - Morphology

Some characteristics of morphogenesis among higher plants
Trudy Bot. inst. AN SSSR. Ser. 7, No. 2, 1951

Monthly List of Russian Accessions, Library of Congress, June 1952. Unclassified.

1. IAKOVLEV, M. S. NAVASHIN, M. S. GERISIMOVA-NAVASHINA, YE. N.
2. USSR (600)
4. Plants - Reproduction
7. Role of non-cellular organic substances in the process of reproduction in
platns. Izv. AN SSSR. Ser. biol. no. 5, 1952.
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

YAKOVLEV, M. S.

1/12078* (Effect of Growth-Stimulating Substances on Formation of Polyembryonic Wheat Grains.) Vliyanie rostovykh veshchestv na obrazovanie mnogozarodnykh zernovok u pshenitsy. M. S. Yakovlev and D. P. Snegirev. Botanicheskiy Zhurnal, v. 30, no. 2, Mar.-Apr. 1954, p. 187-194.
Methods of developing more than one germ in seeds of dicotyledons and monocotyledons. P-Chlorophenoxy acetic acid used. Photographs, diagrams, 5 ref.

Botanical Inst. im. V.L. Komarov, A S USSR, Leningrad

YAKOVLEV, M.S.

YAKOVLEV, M.S.

All-Union meeting of embryologists in Leningrad. Bot. zhur. 40
no. 3:479-480 My-Je '55. (MIRA 8:10)

1. Botanicheskiy institut imeni V.L.Komarova Akademii nauk SSSR,
Leningrad
(Botany--Embryology)

SHENNIKOV, A.P.; YAKOVLEV, M.S.

Twentieth anniversary of the South Ossetian upland meadow
botanical station of the Academy of Sciences of the U.S.S.R.
Bot. zhur. 40 no. 5:761-766 S-0 '55. (MLRA 9:4)

1. Botanicheskiy institut imeni V.L.Komareva Akademii nauk
SSSR, Leningrad.
(Osetia--Botanical research)

YAKOVLEV, M.S.

Basic types of polyembryony in higher plants. Trudy Bot.inst.Ser.
7 no.4:201-210 '57. (MIRA 10:3)
(Botany--Embryology)

YAKOVLEV, M.S.

Mountain-Meadow Station of the V.L.Komarov Botanical Institute of
the Academy of Sciences of the U.S.S.R. Bot.shur.42 no.8:1295-1296
Ag '57. (MLRA 10:9)

I. Botanicheskiy institut imeni V.L.Komarova Akademii nauk SSSR,
Leningrad.

(Ossetia--Botanical research)

YAKOVLEV, M.S.; IOFFE, M.D.

Characteristics of the embryogenesis of the genus Paeonia L.
Bot. zhur. 42 no.10:1491-1502 O '57. (MIRA 10:10)

1. Botanicheskiy institut im. V.L.Komarova AN SSSR, Leningrad.
(Peonies)

YAKOVLEV, N.S.

Principles underlying the differentiation of basic embryonic types
and their significance for the phylogeny of angiosperms [with summary
in English]. Probl. bot. no.3:168-195 '58. (MIRA 11:7)
(Botany--Embryology) (Phylogeny (Botany)) (Angiosperms)

YAKOVLEV, M. S. and KOFFE, M. D.

"On a New Type of Embryogenesis in 'Paeonia'L"
Paper submitted for the Int'l Botanical Congress, Montreal, Canada, 19-29 Aug 1959.

Botanical Institute of the Academy of Sciences U.S.S.R., Leningrad.

YAKOVLEV, M.S.

"Embryo structure and phylogeny of grasses."

Paper submitted for the Int'l Botanical Congress, Montreal, Canada, 19-29 Aug 1959.

Institute of Botany, Academy of Sciences U.S.S.R., Leningrad.

YAKOVLEV, Mikhail Semenovich; BARANOV, P.A., qtv.red.; BELKINA, M.A.,
red.izd.vt; BOCHEVER, V.T., tekhn.red.

[Embryogenesis and its significance for the phylogeny of plants;
reported at the Thirteenth Annual Komarov Lecture, Dec.12, 1958]
Emбриогенез и его значение для филогении растений; доложено на
тринадцатом ежегодном Комаровском чтении 12 декабря 1958 г.
Москва, Изд-во Акад наук СССР, 1960. 39 п. (Комаровские чтения,
но.13).
(MIRA 14:5)

1. Chlen-korrespondent AN SSSR (for Baranov).
(Botany--Embryology) (Phylogeny (Botany))

TAKOVLEV, Mikhail Semenovich; SUKACHEV, V.N., akademik, otv.red.;
VIKHREV, S.D., red.izd-va; SMIRNOVA, A.V., tekhn.red.

[Vegetation of India; travel sketches] Rastitel'nost' Indii;
putevye ocherki. Moskva, Izd-vo akad.nauk SSSR, 1960. 155 p.
(MIRA 13:2)

(India--Botany)

YAKOVLEV, M.S., professor: SHTEYNBERG, D.M., professor

Through the Sudan and Ethiopia. Vest.AN SSSR 30 no.7:
72-77 J1 '60. (MIRA 13:7)

(Sudan--Description and travel)
(Ethiopia--Description and travel)

PODILUBNAYA-ARNOL'DI, V.A.; YAKOVLEV, M.S.

Work of the Section of Morphology and Anatomy at the Ninth
International Botanical Congress. Bot.zhur. 45 no.3:458-462
Mr '60. (MIRA 13:6)

1. Glavnnyy Botanicheskiy sad Akademii nauk SSSR, Moskva i
Botanicheskiy institut im. V.L. Komarova Akademii nauk SSSR
Leningrad. (Botany--Congresses)

KARPOV, A.B.; YAKOVLEV, M.S., inzh., stv. red.; KOZYULINA, R.M.,
red.

[Some problems in buoyancy and stability calculations;
textbook for students of the Faculty of Shipbuilding]
Nekotorye voprosy raschetov plavuchesti i ostoichivosti;
uchebnoe posobie dlia studentov korablestroitel'nogo fa-
kul'teta. Gor'kii, Gor'kovskii politekhn. in-t, 1961. 122 p.
(MIRA 18:4)

YAKOVLEV, M.S.; IOFFE, M.D.

Further study of a new type of embryogenesis in angiosperms. Bot.
zhur. 46 no.10:1402-1421 O '61. (MIRA 14:9)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.
(Botany--Embryology) (Peonies)

SEMENOVA-TYAN-SHANSKAYA, A.M.; YAKOVLEV, M.S.; GOGINA, Ye.Ye.

In memory of Elizaveta Aleksandrovna Bush (Feb. 14, 1826 - Sep. 12, 1960).
Bot. zhur. 48 no.2:297-302 F '63. (MIRA 16:4)

1. Botanicheskiy institut imeni V.L.Komarova AN SSSR, Leningrad.
(Bush, Elizaveta Aleksandrovna, 1826-1960)

BATYGINA, T.B.; TEREKHIN, E.S.; ALIMOVA, G.K.; YAKOVLEV, M.S.

Genesis of male sporangia in Gramineae and Ericaceae. Bot. zhur.
48 no.8:1108-1120 Ag '63. (MIRA 16:10)

1. Botanicheskiy institut imeni V.L. Komarova AN SSSR, Leningrad.
(Sporangium) (Gramineae) (Heather)

YAKOVLEV, M.S., inzh., starshiy prepodavatel'; MATTES, N.V., doktor tekhn.nauk, prof. otv.red.; KOZYULINA, R.M., red.

[Methods for determining the ability of river vessels to pass through ice] Metodika opredeleniya ledopрkhodimosti rechnykh sudov. Gor'kii, 1961. 23 p. (Gorkiy. Politekhnicheskii institut. Trudy, vol. 17, no.1). (MIRA 16:3)

1. Gorkovskiy politekhnicheskiy institut imeni A.A.Zhdanova, kafedra sudostroyeniya (for Yakovlev).
(Inland navigation) (Ice-breaking vessels)

YAKOVLEVA, M.S.; ARIYA, S.M.

Thermodynamics of ferrous oxide. Vest. LGU. 18 no.16:130-
132 '63. (MIRA 16:11)

SOLNTSEVA, M.F.; YAKOVLEV, M.S.

Conditions determining the development of monocotyledonous
characters in the early embryogenesis of feather grasses. Bot.
zhur. 19 no.5:625-633 My '64. (MIRA 17:8)

1. Botanicheskiy institut imeni V.I. Komarova AN SSSR, Leningrad.

YAKOVLEV, M.S.; DANILOVA, M.F.

In memory of Vasilii Georgievich Aleksandrov (June 6, 1827 -
January 16, 1964). Bot. zhur. 49 no.12:1820-1825 D '64
(MIRA 18:2)

1. Botanicheskiy institut Komarova AN SSSR, Leningrad.

YAKOVLEV, M.S.

Visit to the Bogor Botanical Garden (Indonesia). Bot. zhur. 49
no.12;1826-1838 D '64 (MIRA 18:2)

1. Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

YAKOVLEV, M.S., red.

[Flower morphology and the reproductive process of angiosperms] Morfologija tsvetka i reproduktivnyj protsess u pokrytosemennykh rastenii. Moskva, Nauka, 1965. 203 p. (MIRA 19:1)

1. Akademija nauk SSSR. Botanicheskiy institut.

VASIL'EVOKAYA, V.K.; SAVCHENKO, M.I.; YAKOVLEV, M.S.

Ekaterina Aleksandrovna Mokeeva, 1885- ; on her 80th birthday.
Bct. zhur. 50 no.12;1769-1771 D '65. (MIRA 19:2)

1. Leningradskiy gosudarstvennyy universitet imeni Zhdanova i
Botanicheskiy institut imeni Komarova AN SSSR, Leningrad.

MANOYLENKO, Kseniya Viktorovna; BAKHTEYEV, F.Kh., prof.,
retsenzent; KANAYEV, I.I., prof., retsenzent; KONOVALOV,
I.N., prof., retsenzent; YAKOVLEV, M.S., prof.,
retsenzent; RAYKOV, B.Ye., zasl. deyatel' nauki prof., otv.
red.

Nikolai Ivanovich Zhelezov. Moskva, Nauka, 1965. 203 p.
(MIRA 18:12)

YAKOVLEV, M. V.

N. P. Ogarev's social political and philosophic ideas. Moskva, Znanie, 1954. '31 p.
(Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.2,
no. 8) (54-35142)

DK209.6.03 I 15

YAKOVLEV, M.V., kandidat filosofskikh nauk.

Two volume work on "The outline history of philosophical and
social-political thought of the people of the U.S.S.R." Vest.AN
SSSR 26 no.7:94-100 Jl '56. (MLRA 9:9)
(Philosophy--History)

YAKOLEV, MIKHAIL VASIL'YEVICH

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Mirovozzreniye N.P. Ogareva (N.P. Ogarev's Conception of the World)
Moskva, Izd-vo Akademii Nauk SSSR, 1957.

290 p. Ports.

At head of title: Adademiya Nauk SSSR. Institut Filosofii.

Bibliographical Footnotes.

YAKOVLEV, M. V.

Dissertation defended for the degree of Candidate of Juridical Sciences
at the Institute of Government and Law (1962)

"Procuratorial Supervision of the Implementation of Labor Legislation."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

MAGARILLO, B.L., inzh.; YAKOVLEV, M.V., inzh.

Test data on the new T-130 crawler tractor. Trakt. i sel'khozmash.
32 no.5:5-7 My '62. (MIRA 15:5)

1. Chelyabinskij traktornyj zavod.
(Crawler tractors—Testing)

YAKOVLEV, M.V.

Vital staining method in the investigating sorption properties of certain organs in experimental tuberculosis. Report No.1:
Studies on sorption properties of the cerebral cortex. [with summary in English]. Biul.eksp.biol. i med. 45 no.5:17-20
Mv '58 (MIRA 11:6)

1. Iz laboratorii fiziologii kletki (zav. - deyavatel'nyy chlen AMN SSSR D.N. Nasonov [deceased] Fiziologicheskogo instituta imeni A.A. Ukhtomskogo (dir. - prof. N.V. Golikov), Leningradskogo gosudarstvennogo universiteta imeni A.A. Zhdanava i Laboratorii eksperimental'noy patologii i terapii (zav. - dan.med.nauk G.S.Kan) Leningradskogo instituta tuberkuleza imeni A.Ya. Shternberga (dir.- prof. A.D. Semenov, nauchnyy konsul'tant - deyavatel'nyy chlen AMN SSSR V.N. Chernigovskiy), Leningrad. Fredstavлено deyavitel'nym chlenom AMN SSSR D.N. Nasonovym.

(CEREBRAL CORTEX,

sorption in exper. tuberc., vital staining (Rus))

(TUBERCULOSIS, experimental,

eff. on cerebral cortex sorption rate, vital staining
(Rus))

YAKOVLEV, M.V.

Vital staining method in the study of sorption properties of certain organs in experimental tuberculosis. Report No.2: Studies on sorption properties of the skeletal muscles. Biul.eksp.biol. i med. 45 no.6:49-53 Je '58
(MIRA 11:8)

1. Iz laboratorii fiziologii kletki (zav. - deystvitel'nyy chlen AMN SSSR D.N. Nasonov [deceased]). Fiziologicheskogo instituta im. A.A. Ukhtomskogo (dir. - prof. N.V. Golikov), Leningradskogo gosudarstvennogo universiteta im. A.A. Zhadanova i laboratorii eksperimental'noy patologii i terapii (zav. - kand.med.nauk G.S. Kan) Leningradskogo instituta tuberkuleza. im. A.Ya. Shternberga (dir. - prof. A.D. Semenov), nauchnyy konsul'tant - deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy) Predstavlena deystvitel'nym chленом AMN SSSR D.N. Nasonovym [deceased]).
(MUSCLE, anatomy and histology,

vital staining in exper. tuberc. (Rus))
(TUBERCULOSIS, experimental
vital staining of musc. (Rus))

YAKOVLEV, M.V.

Vital staining in the study of sorption properties of certain organs in experimental tuberculosis; studies on the sorption properties of the liver and spleen. Biul.eksp.biol. i med. 46 no.9:71-76
S'58 (MIRA 11:11)

1. Iz laboratorii fiziologii kletki Fiziologicheskogo instituta imeni A.A. Ukhtomskogo Leningradskogo gosudarstvennogo universiteta imeni A.A. Zhdanova i Leningradskogo instituta tuberkuleza. Predstavlena deystvitel'-nym chlenom AMN SSSR D.N. Nasonovym [deceased].

(TUBERCULOSIS, experimental lung & spleen sorption properties, vital staining (Rus))

(SPLEEN, pathology in exper. tuberc., vital staining in determ. of sorption properties (Rus))

(LUNGS, pathology same (Rus))

YAKOVLEV, M.V.

Studies on the sorption properties of certain organs in experimental tuberculosis by using vital staining. Report No.4: Studies on the sorption properties of renal and adrenal tissues [with summary in English]. Biul.eksp.biol. i med. 46 no.10:46-50 O '58 (MIRA 11:11)

1. Iz laboratorii eksperimental'noy patologii i terapii (zav. - kand.med.nauk G.S. Kan) Leningradskogo instituta tuberkuleza imeni A.Ya. Shternberga (dir. - prof. A.D. Semenov, nauchnyy konsul'tant deystvitel'nyy chlen AMN SSSR V.N. Chernigovskiy). Predstavlena deystvitel'nym chlenom AMN SSSR D.N. Nasonovym [deceased].

(TUBERCULOSIS, experimental,

adrenal & renal vital stain. in determ. sorptive properties (Rus))

(KIDNEYS, physiol.

sorptive properties, determ. by vital stain.
in exper. tuberc. (Rus))

(ADRENAL GLANDS, physiol.

same (Rus))

(STAINS AND STAINING,

vital of adrenals & kidneys in determ. sorptive properties in exper. tuberc. (Rus))

TAKOVLEV, N.V., Cand Med Sci —(diss) "Study of sorption properties
of certain ~~organs~~ ^{organs} in experimental tuberculosis by the method of
vital staining." Len, 1959. 19 pp with graphs (Acad Med Sci USSR).

Inst of Normal and Pathological Physiology), (E,31-52, 117)

AUTHOR:

Yakovlev, N.

SOV/25-58-12-26/40

TITLE:

A Giant Conveyer (Konveyer-velikan)

PERIODICAL:

Nauka i zhizn', 1958, Nr 12, p 66 (USSR)

ABSTRACT:

"Giprouglemash" designed a giant conveyer for the Korkino (Urals) strip coal mine. The conveyer has a capacity of 900 tons per hour and is almost 1.5 km long. In one of the Ural plants, 2 of these conveyers are being manufactured. They will lift 15 million tons of coal annually, a quantity equal to the production of 20 big mines. There is 1 drawing.

Card 1/1

YAKOVLEV, N.

Against excesses in designing and building. Sov.profsoiuzy 4
no.2:52-55 F '56. (MLRA 9:5)

1. Predsedatel' mestnogo komiteta profsoyuza instituta "Mosstroyek".
(Moscow--Building)

YAKOVLEV, N.

Andrei Serpikov, a builder of the subway. Sov.profsoiuzy 7 no.2:24-25
Ja '59. (MIRA 12:3)
(Moscow--Subways)

1. YAKOVLEV, N.; SERGEYEV, V.
2. USSR (600)
4. Dairying - Apparatus and Supplies
7. Increasing the productivity of the butter-molding machine, Engs. N. Yakovlev, V. Sergeyev, Moloch.prom. no. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

YAKOVLEV, N.

Verified through the years. Sov. profsoiuzy 5 no.2:41..44 P '57.
(MLB 10:4)

1. Predsedatel' zavkoma gosudarstvennoy rayonnoy elektrostantsii
no. 3 imeni inzhenera Klassona.
(Building)

YAKOVLEV, N.

Converting mine lamp houses and industrial baths to self-service.
Biul.nauch. inform.: trud i zar. plata 4 no.8:18-20 '61.
(MIRA 14:10)

(Lugansk--Coal mines and mining)
(Electric lamps, Portable)

YAKOVLEV, N.; VOLK, B.

Electromechanical floating machine. Stroitel' 8 no. 6:14-15, 4 of cover
Je '62. (MIRA 15:7)
(Plastering—Equipment and supplies)

ROTNITSKIY, V.; YAKOVLEV, N.

Aesthetics of a school workshop. Prof.-tekhn. obr. 19
no.7:11 Jl '62. (MIRA 15:12)

1. Direktor Gorodskogo professional'no-tekhnicheskogo uchilishcha No.3, Dnepropetrovsk (for Rotnitskiy).
2. Samestitel' direktora Gorodskogo professional'no-tekhnicheskogo uchilishcha No.3, Dnepropetrovsk (for Yakovlev).
(Schools—Furniture, equipment, etc.)

CHEPURIN, V., shofer (Moskva); LAVRENT'YEV, A., avtolyubitel' (Syktyvkar);
GRIGOR'YAN, V., shofer (Tbilisi); VASIL'YEV, A., inzh. po mekhanizatsii;
RADVOGIN, M. (Moskva); VITYAZEV, P., inzh. (Chelyabinsk); YAKOVLEV, N.
(Chirchik); VINOKUROV, A.; BUBLIK, T., shofer; LOKOT', I., avtoslesar'

Automobile drivers speak today. Izobr.i rats. no.9:9-11 S '62.
(MIRA 16:3)

1. "Sel'khoztekhnika", Chelyabinskaya obl. (for Vasil'yev). 2. Nachal'nik
tsekha Konservnogo zavoda, g.Temryuk Krasnodarskogo kraya (for
Vinokurov). 3. Konservnyy zavod, g. Temryuk Krasnedarskogo kraya (for
Bublik, Lokot').

(Automobile engineering—Technological innovations)

YAKOVLEV, N., inzhener.

Test of ammonium centrifugal pumps. Khol.tekh. 30 no.2:20-23 Ap-Je '53.
(XLP 6:7)

1. VNIKhI.

(Centrifugal pumps)

YAKOVLEV, N., inzhener.

Testing the ammonia circulation refrigeration system. Khol.tekh.31
no.1:10-16 Ja-Mr '54. (MIRA 7:4)
(Refrigeration and refrigerating machinery)

YAKOVLEV, N.

YAKOVLEV, N., inzhener.

Lubrication of a vertical two-stage ammonia compressor. Khok.
tekhn. 31 no.2:66-67 Ap-Je '54. (MLRA 7:7)
(Compressors)

YAKOVLEV, N., inzh.

Liquid ammonia supply system for the refrigerative cycle. Khok.
tekh. 33 no.4:27-29 O-D '56. (MIRA 12:1)
(Refrigeration and refrigerating machinery)

Yakovlev, N.

YAKOVLEV, N., inzh.; BARANOV, F., inzh.

Experience putting the Angarsk Refrigeration Plant into operation.
Khol. tekhn. 34 no. 4:21-23 O-D '57. (MIRA 11:1)
(Angarsk--Refrigeration and refrigerating machinery)

X/ / KOBULASHVILI, Sh.; YAKOVLEV, N.

Operation of the circulation system of cooling. Khel. tekhn. 35
no.2:51-55 Mr-Ap '58. (MIRA 11:4)
(Refrigeration and refrigerating machinery)

14(1)

SOV/66-59-3-19/31

AUTHOR: Yakovlev, N., Engineer

TITLE: What Intermediate Pressure Depends on and What it Should be.

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 3, pp 65 - 66 (USSR)

ABSTRACT: The majority of refrigeration plants have adopted ammonium installations with two-stage-compression and intermediate receptacles equipped with coil pipes. In actual operation, the working conditions may differ from those theoretically calculated, depending for instance on the heat load affecting the evaporation system and the temperature of the cooling water. This in turn brings about a change in the intermediate pressure. To the extent that the heat load increases, the boiling temperature rises, and increases the pressure in the intermediate receptacles. This pressure also depends on the temperature of the liquid cooling agent coming from the condenser or water cooler. The pressure in the intermediate receptacles cannot be calculated on the basis of any formula, but can only be determined by a grapho-analytical method. The enclosed graph shows the dependence of the intermediate pressure upon the working temperature of the ADS-150 unit. It appears from the graph that the intermediate pressure can vary between the limits of 5 and 2.9 atm. With the rise of boiling

Card 1/2

What Intermediate Pressure Depends on and What it Should be. SOV/66-59-3-19/31

temperature, the intermediate pressure increases until it equals the condensation temperature. The graph shows the required intermediate pressure in a properly working ADS-150 unit. The intermediate pressure is determined by the working conditions and is not subject to control; but it should nevertheless be watched.

There is 1 graph and 1 Soviet reference.

Card 2/2

14(1)

SOV/66-59-5-18/35

AUTHOR: Yakovlev, N., Engineer

TITLE: Does the Pressure in the Condenser Depend on the Level of the Liquid
in the Linear Receiver?

PERIODICAL: Kholodil'naya tekhnika, 1959, Nr 5, p 58 (USSR)

ABSTRACT: Under normal conditions a change of liquid level in the linear receiver
should have no effect on the pressure in the condenser. However, in
actual practice the contrary can be observed. If a change of level in
the receiver is followed by a change of pressure in the condenser, it
can be taken as one of the symptoms that there is air in the system.

Card 1/1

YAKOV LEV N.

PAGE 1 BOOK INFORMATION 507/37

International Congress of Refrigeration. Moscow, 1953

Sbornik dokladov 18 SSSR (Collected Soviet Reports) Moscow, Gostorgizdat, 1953. 214 p. Printed only in hardcover. 2,000 copies printed.
Ed. (Title page): Sh. N. Kondratenko M. V. Chichiburov
Tech. Ed. V. V. Dubchik.

NOTES: This collection of articles is intended for those interested in the problems of food refrigeration.

CONTENTS: The collection contains 26 reports which were submitted at the meeting of the 3rd, 4th, and 5th Committees of the International Institute of Refrigeration. The meeting was held in Moscow, September 3-6, 1953, and was attended by 165 specialists and 115 representatives from other countries. The 12 reports discussed at this meeting concern such broad areas as the automation of the cooling of refrigerating installations, the use of closed-cycle type refrigerating devices, saving freezing food resources, the theory and techniques of rapid cooling and freezing of meat and fish, the use of antibiotics in the cold storage of food, and the operation of refrigerators and cooling systems. A complete account of the Proceedings of this meeting was published in Moscow in 1959. No references are mentioned in several of the articles.

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Gordulin, I. [Gosudarstvennyy Institut po Protsessirovaniyu Prod-
uktovykh Protsessov Preobrabotki (State Institute for the
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Food Industry)], V. Tsel' (Moskovskiy Tekhnicheskii In-
stitut po Tekhnike i Organizatsii Pravleniya na Nauku i Obra-
zovaniye), N. D. Tikhonova, I. A. Tikhonova [Scientific Research
Institute of the Refrigeration Industry Head N. I. Tikhonova], Anton-
ov, N. D. [All-Union Scientific Research Institute of the Refridg-
eration Industry Head A. I. Mikhayev]. Investigation of Air-Cooled Condensers
for Small Refrigerators 45

Ivanov, N. D. [Central'naya konstruktor'skaya kassa khodil'stvo
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Machinery]. Air Conditioning in the Moscow State University Library
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Polyakov, E. Air Conditioning in the State Academic Bol'shevicki Theater
of the USSR 71

Shchegolev, M. [Gosudarstvennyy Institut po Protsessirovaniyu Prod-
uktovykh Protsessov i Avtomobil'naya Kassa (State
Institute for the Processing and Preparation of Products and Plants
Producing Dry and Water Gas).] Design of Operation Indomes of Cooling
Chambers with Systems of Central Plant Pipes 77

Shelebekov, V. G. [Central Design Office for the Building of
Refrigeration Machinery]. Automation of Refrigerating Plants With a
Widepread Cooling System 85

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Oshchadkin, S. I., V. D. Borodulin, M. I. Ponomaryov [All-Union
Scientific Research Institute of the Refrigeration Industry Head
A. I. Mikhayev]. Refrigeration and Deicing of Carpathian Sprays 92

Orlovtsov, V. M. [Naukno-Issledovatel'skiy Institut
po Zemledeliyu i Zemel'noy Promstolnosti (All-Union Scientific Research Institute of
Agriculture and Soil Science)]. Use of Antibiotics for Extending the Life of
Cold Stores of Meat and Meat Products 99

KONDRATOVA, Z.A., inzh.; YAKOVLEV, N., inzh.

Technological innovators. Inform. biul. VDNKH no.8:38-39
Ag '63. (MIRA 17:8)

YAKOVLEV, Nikolai Aleksandrovich.

The theory and design of a tank. A textbook for machinery construction technical schools. Moskva, Gos. nauch.-tekhn. izd-vo mashinostroit. lit-ry, 1943. 174 p.
(49-56804)

UG440.5. I25

1. Tanks (Military science)

YAKOVLEV, Nikolay Alekseevich,

Teoriia i raschet avtomobilja. [The theory and design of an automobile]. Dopushcheno v kachestve uchebnika dlja avtotransp. tekhnikumov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1949. 369 p. diagrs.

Bibliography: p. 353-[354].

DLC: TL240.I32

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

YAKOVLEV, N.A.

Cooperation between research and railroad employees. Elek. i tepl.
tiaga 5 no.3:13 Mr '61. (MIRA 14:6)

1. Zamestitel' nachal'nika Privilzhskoy dorogi.
(Electric railway motors)
(Electric measurements)

YAKOVLEV, N.A., inzh.; OKHREMCHIK, A.V.

Operation of diesel locomotives on long haul distances.
Zhel.dor.transp. 43 no.11:68-72 N '61. (MIRA 14:11)

1. Zamestitel' nachal'nika Privolzhskoy dorogi, g. Saratov (for
Yakovlev). 2. Nachal'nik Yugo-Vostochnoy dorogi, g. Voronezh
(for Okhremchik).

(Diesel locomotives)
(Railroads—Management)

DIVAKOV, N.V.; YAKOVLEV, N.A.; KLANNIKOV, V.M., red.; KOPTEVSKIY, D.Ya.,
red.izd-va; YEZHOOVA, L.L., tekhn. red.

[Theory of motor vehicles] Teoriia avtomobilia. Moskva,
Vysshiaia shkola, 1962. 298 p. (MIRA 16:4)
(Motor vehicles)

SOV/124-58-8-8783

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 8, p 65 (USSR)

AUTHOR: Yakovlev, N.A.

TITLE: On Investigating a Chute-type Spillway Having a Screen-type Extension Apron (K voprosu issledovaniya bystrotoka s reshetchatoj konsol'yu)

PERIODICAL: Nauchno-tekhn. inform. byul. Leningr. politekhn. in-ta, 1957, Nr 8, pp 3-18

ABSTRACT: The author discusses the matter of calculating the openings in the bottom of a horizontal extension apron placed at the end of a chute-type spillway (extension-apron overfall). He assumes that in the initial section of an opening the vertical distribution of the mean flow velocities follows a power law. Substituting the expression for the mean velocity in the well-known equation for the trajectory of a freely falling particle, and making the necessary transformations, he evolves a formula for the specific mass flow through the opening. Experimentation was performed on a model of a chute-type spillway having a width of 60 cm, a drop height at the sill of 30.75 cm, a slope of the spillway bottom of 0.25, and a horizontal extension apron 30 cm

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SOV/124-58-8-8783

On Investigating a Chute-type Spillway (cont.)

in length. The experiments were conducted in some instances with a single opening (60 cm in width) and in other instances with several such openings, separated from one another by longitudinal rods 2, 3, 4, and 6 cm wide. From the experiments values are obtained for the parameters contained in the formula for calculating the mass flow through the openings. Bibliography: 14 references.

V.V. Fandeyev

Card 2/2

YaKOVLEV, N. A., Cand Tech Sci -- (diss) "Hydraulic Calculation of Rapid Currents with a Console Equipped with Bottom Perforations," Leningrad, 1960, 16 pp, 250 copies (All-Union Sci Res Institute of Hydraulic Engineering im B. Ye. Vedeneyev) (KL, 48/60, 114)

CHERTOUSOV, Mikhail Dmitrievich, zasl. deyatel' nauki i tekhniki RSFSR,
prof., doktor tekhn. nauk[deceased]; KOZHEVNIKOV, M.P., prof.,
doktor tekhn. nauk, red.; YAKOVLEV, N.A., starshiy prepod., kand.
tekhn. nauk, red.; ASTAFICHEVA, T.N., dots., kand. tekhn. nauk, red.;
KOSYAKOVA, G.N., dots., kand. tekhn. nauk, red.; MOZHEVITINOV, A.L.,
prof., red.; ZHITNIKOVA, O.S., tekhn. red.

[Hydraulics]Gidravlika; spetsial'nyi kurs. Izd.4., ispr. Moskva,
Gosenergoizdat, 1962. 629 p. (MIRA 16:1)

1. Kafedra gidravliki Leningraskogo politekhnicheskogo instituta
(for Kozhevnikov, Yakovlev, Astaficheva, Kosyakova).
(Hydraulics)

VELICHKINA, T.S.; SHUSTIN, O.A.; YAKOVLEV, N.A.

Michelson interferometer as an instrument for lecture demonstrations.
Usp.fiz.nauk 74 no.2:381-383 Je '61. (MIRA 14:6)
(Interferometer)

DMITRIYENKO, Yu.I., inzh.; IVASHIN, V.M., inzh.; KUZNETSOV, V.P., inzh.;
MATSYUK, M.F., inzh.; YAKOVLEV, N.A., inzh.

The "Lugansk Hour" competition in the mines of Luganskugol' Combine.
Ugol' Ukr. 6 no.5:23-26 My '62. (MIRA 15:11)
(Donets Basin--Coal mines and mining)
(Socialist competition)